

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

JUN 30 2014

Farmington Field Office

Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Energen Resources Corporation

3a. Address

2010 Afton Place, Farmington, NM 87401

3b. Phone No. (include area code)

505-325-6800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1810' FSL 1180' FWL Sec. 19 T25N R05W N.M.P.M. (L)NW/SW

5. Lease Serial No.

Jicarilla Contract 67

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Jicarilla 67 #11

9. API Well No.

30-039-20730

10. Field and Pool, or Exploratory Area

S. Blanco Pictured Cliffs/
Otero Chacra

11. County or Parish, State

Rio Arriba NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Energen Resources intends to plug and abandon the Jicarilla 67 #11 according to the attached procedure.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

OIL CONS. DIV DIST. 3
JUL 14 2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Notify NMOCD 24 hrs
prior to beginning
operations

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Anna Stotts

Title Regulatory Analyst

Signature

Date 06/26/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salvors

Title

Petroleum Engineer

Date

7/7/2014

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCDV

PLUG AND ABANDONMENT PROCEDURE

May 9, 2014

Jicarilla 67-11

South Blanco Pictured Cliffs / Otero Chacra Extension

1810' FSL and 1180' FWL, Section 19, T25N, R5W, Rio Arriba County, New Mexico

API 30-039-20730 / Lat: _____ / Long: _____

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

This project will use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Blow PC casing down; kill with water as necessary. Open up bradenhead valve. Establish rate down 2-7/8" PC then CH casing, record pump rate and pressure. Monitor bradenhead for flow. If now flow or blow, then pump additional water and monitor pressure, rate and volumes pumped to confirm perforations taking water and there is not a casing leak.
2. Rods: Yes _____, No X, Unknown _____.
Tubing: Yes _____, No X, Unknown _____, Size _____, Length _____.
Packer: Yes _____, No X, Unknown _____, Type _____.

Pictured Cliffs P&A:

3. RU on PC 2-7/8" casing.
4. **Plug #1 PC (Pictured Cliffs interval, Fruitland, Kirtland and Ojo Alamo tops, 2568' – 2051')**: ^{See CoA}
Round trip 2.875" gauge ring to 2568' or as deep as possible. RIH and set 2.875" wireline CIBP at 2568'. TIH with tubing and tag CIBP at 2568'. Load casing with water and circulate well clean. Pressure test casing to 500#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 16 sxs Class B cement and spot a balanced plug inside the casing above the CIBP to isolate the PC interval and cover through the Ojo Alamo top. TOH with tubing.
5. **Plug #2 PC (Nacimiento top and 9.625" casing shoe, 1205' - 0')**: ^{See CoA}
TIH with open ended tubing. Mix approximately 34 sxs Class B cement from 1205' to surface, circulate good cement out the casing valve. Shut in well and WOC.
6. RU on Chacra 2-7/8" casing.
7. **Plug #1 CH (Chacra perforations, fish, Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3424'- 2011')**: PU open ended tubing and TIH. Establish injection rate into CH perforations. Note: previous record indicates a fish may be in the hole at 3450'. Mix and pump 51 sxs Class B cement (30% excess) and bullhead down 2-7/8" casing from surface. PUH with tubing. SI CH casing valve and WOC. TIH and tag cement at least 50' above Ojo Alamo top. If necessary top off 2-7/8" CH Plug #1 with cement.

See CoA

8. **Plug #2 CH (Nacimiento top, 1205' – 1105'):** Perforate 3 squeeze holes at 1205'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 2.875" wireline cement retainer at 1155'. Sting into CR and establish rate into squeeze holes. Mix and pump 61 sxs Class B cement, squeeze 56 sxs outside casing and leave 5 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
9. **Plug #3 CH (Surface casing, 172' – Surface):** Perforate 3 squeeze holes at 172'. Establish circulation out bradenhead and casing valve. Mix 60 sxs Class B cement and pump down PC casing and circulate good cement out casing valve and bradenhead valve. SI well and WOC.
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

Jicarilla 67-11 Current

Otero Chacra Ext. / So. Blanco Pictured Cliffs

1810' FSL & 1180' FWL, Section 19, T-25-N, R-5-W, Rio Arriba County, NM

Lat: _____ / Long: _____ / API 30-039-20730

Today's Date: 5/9/14
Spud: 11/16/73
Comp: 6/7/74
Elevation: 6610' GL

13.75" Hole

9.625" 32.3#, H-40 Casing set @ 122'
Cement with 142 cf, circulated to surface

Nacimiento @ 1155'

TOC @ 1600' (T.S.)

Ojo Alamo @ 2061'

Kirtland @ 2199'

Fruitland @ 2455'

Pictured Cliffs @ 2618'

8-3/4" Hole

Pictured Cliffs Perforations:
2618' - 2630'

2.875" 6.4#, J-55 Casing @ 2701'
Cement with 355 cf

Fish @ 3450'
(swab mandrel & 25' sandline)

Chacra Perforations:
3474' - 3590'

Chacra @ 3476'

6.75" and
7-7/8" Hole

2.875" 6.4#, J-55 Casing @ 3659'
Cement with 412 cf

3659' TD
3648' CH PBTD
2690' PC PBTD

Jicarilla 67-11 Proposed P&A

Otero Chacra Ext. / So. Blanco Pictured Cliffs

1810' FSL & 1180' FWL, Section 19, T-25-N, R-5-W, Rio Arriba County, NM

Lat: _____ / Long: _____ / API 30-039-20730

Today's Date: 5/9/14
Spud: 11/16/73
Comp: 6/7/74
Elevation: 6610' GL

13.75" Hole
Perforate @ 172'

Nacimiento @ 1155'
Set CR @ 1155'
Perforate @ 1205'

Ojo Alamo @ 2061'

Kirtland @ 2199'

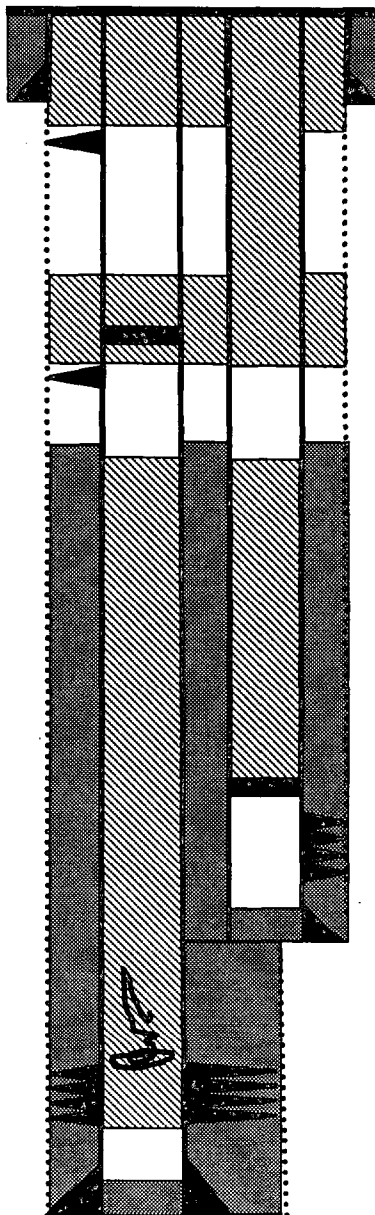
Fruitland @ 2455'

Pictured Cliffs @ 2618'

8-3/4" Hole

Chacra @ 3476'

6.75" and
7-7/8" Hole



3659' TD
3648' CH PBTD
2690' PC PBTD

9.625" 32.3#, H-40 Casing set @ 122'
Cement with 142 cf, circulated to surface

Chacra Plug #3: 172' - 0'
Class B cement, 60 sxs

See COA

Chacra Plug #2: 1205' - 1105'
Class B cement, 61 sxs
56 outside and 5 inside

See COA

PC Plug #2: 1205' - 0'
Class B cement, 34 sxs

TOC @ 1600' (T.S.)

Chacra Plug #1: 3424' - 2011'
Class B cement, 51 sxs (30%
excess)

See COA

PC Plug #1: 2568' - 2051'
Class B cement, 16 sxs

Set CIBP @ 2568'

Pictured Cliffs Perforations:
2618' - 2630'

2.875" 6.4#, J-55 Casing @ 2701'
Cement with 355 cf

Fish @ 3450'
(swab mandrel & 25' sandline)

Chacra Perforations:
3474' - 3590'

2.875" 6.4#, J-55 Casing @ 3659'
Cement with 412 cf

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Jicarilla 67 #11

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. Bring the top of plug #1 (PC) to 2009 ft. to cover the Ojo Alamo top.
4. Adjust the placement of plug #2 (PC) to (690-0) ft. to cover the Nacimiento top and surface shoe.
5. Adjust placement to plug #2 (CH) to (690-790) ft. inside/outside to cover the Nacimiento top.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.